PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file refe	FOR FURTHER ACTION	See Form OTAGAZZO				
International application No.	International filing date (day/m	onth/year) (Earliest) Priority Date (day/month/year)				
PCT/JP2005/023833 20/12/2005 27/12/2004						
Applicant						
THE YOKOHAMA RUBB	ER CO., LTD.					
	port has been prepared by this International Se ppy is being transmitted to the International Bur	earching Authority and is transmitted to the applicant reau.				
	port consists of a total of5 companied by a copy of each prior art docume					
Basis of the report						
Ĭ	anguage, the international search was carried	out on the basis of:				
	international application in the language in whi					
	anslation of the international application into _ translation furnished for the purposes of interr					
b. With regard	to any nucleotide and/or amino acid seque	nce disclosed in the international application, see Box No. I.				
2. Certain cla	ims were found unsearchable (See Box No.	11)				
3. Unity of inv	vention is lacking (see Box No III)					
4. With regard to the title,						
X the text is a	pproved as submitted by the applicant					
the text has	been established by this Authority to read as f	follows:				
		·				
5. With regard to the abstr	ract.					
l — ~	pproved as submitted by the applicant					
		by this Authority as it appears in Box No. IV. The applicant rnational search report, submit comments to this Authority				
With regard to the draw	ings,					
	wings to be published with the abstract is Figu	ure No				
ass	suggested by the applicant					
as	selected by this Authority, because the applica	nt failed to suggest a figure				
ass	selected by this Authority, because this figure b	petter characterizes the invention				
b. none of the	figures is to be published with the abstract					

Form PCT/ISA/210 (first sheet) (April 2005)

International application No PCT/JP2005/023833

a. CLASSIFICATION OF SUBJECT MATTER C08J3/22 C04B20/00 C08C1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\frac{\text{Minimum documentation searched (classification system followed by classification symbols)}{C08C} \frac{\text{C08J}}{\text{C04B}} \frac{\text{C04B}}{\text{C04B}}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

_		Deleventas alaim No
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	GB 2 138 430 A (* POLYSAR LIMITED) 24 October 1984 (1984-10-24)	1-3,7-13
Υ	page 1, line 20 - page 3, line 28; claims; examples	4-6
Y	LIU X D ET AL MUJUMDAR A S (ED): "PULSE COMBUSTION DRYING" DRYING '98. PROCEEDINGS OF THE 11TH INTERNATIONAL DRYING SYMPOSIUM. IDS '98. HALKIDIKI, AUG. 19 - 22, 1998, DRYING. INTERNATIONAL DRYING SYMPOSIA, THESSALONIKI : ZITI EDITIONS, GR, vol. Vol. A, 1998, pages 496-503, XP000788172 ISBN: 960-431-468-8 abstract page 496, paragraph 1 - page 503, paragraph 1	4-6
		• [

Further documents are listed in the continuation of Box C.	X See patent family annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family 		
Date of the actual completion of the international search	Date of malling of the international search report		
27 February 2006	06/03/2006		
Name and mailing address of the ISA/	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Otegui Rebollo, J		

6

International application No
PCT/JP2005/023833

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		-
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Х	EP 0 426 024 A (E.I. DU PONT DE NEMOURS AND COMPANY) 8 May 1991 (1991-05-08)		1-3,7-13
Y	page 2, line 31 - page 6, line 5; claims; examples		4-6
X	WO 99/41210 A (RHODIA CHIMIE; AMICHE, FREDERIC; BOMAL, YVES; LADOUCE, LAURENCE) 19 August 1999 (1999-08-19)		1-3,7-13
(page 1, line 30 - page 6, line 23 page 11, line 28 - page 13, line 15 page 14, line 27 - page 16, line 3; claims; examples		4-6
	EP 0 490 706 A (E.I. DU PONT DE NEMOURS AND COMPANY) 17 June 1992 (1992-06-17) page 2, line 20 - page 3, line 25		1-3,7-13
(EP 1 188 790 A (NIPPON ZEON CO., LTD) 20 March 2002 (2002-03-20) page 1, paragraphs 1,6-65; claims; examples		1-3,7-13
	EP 1 000 972 A (BRIDGESTONE CORPORATION) 17 May 2000 (2000-05-17) paragraphs '0001!, '0011! - '0064!; claims; examples		1-3,7-13
(US 4 543 377 A (CROSSMAN ET AL) 24 September 1985 (1985-09-24) column 1, line 21 - column 3, line 18; claims; examples		1-3
	<i>,</i>		
			·

6

Information on patent family members

International application No
PCT/JP2005/023833

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
GB 2138430	A 24-10-1984	AU CA DE FR IT JP JP	572504 B2 2686384 A 1242362 A1 3413884 A1 2544727 A1 1178922 B 1770095 C 4060141 B 59199231 A	12-05-1988 25-10-1984 27-09-1988 25-10-1984 26-10-1984 16-09-1987 30-06-1993 25-09-1992 12-11-1984
EP 0426024	A 08-05-1991	CA CN DE DE JP JP RU	2028963 A1 1052274 A 69033505 D1 69033505 T2 3025902 B2 3208607 A 2075487 C1	01-05-1991 19-06-1991 18-05-2000 07-12-2000 27-03-2000 11-09-1991 20-03-1997
WO 9941210	A 19-08-1999	AT AU BR CA CN DE DE ID JP	217856 T 2171699 A 9907823 A 2320367 A1 1290238 A 69901538 D1 69901538 T2 1053213 A1 2774702 A1 25810 A 2002503621 T	15-06-2002 30-08-1999 24-10-2000 19-08-1999 04-04-2001 27-06-2002 16-01-2003 22-11-2000 13-08-1999 09-11-2000 05-02-2002
EP 0490706	A 17-06-1992	AU BR CA DE DE JP KR MX RU US	656750 B2 8963191 A 9105470 A 2055888 A1 69127537 D1 69127537 T2 2106061 T3 3172224 B2 5339428 A 185992 B1 9102545 A1 2083606 C1 5331053 A	16-02-1995 18-06-1992 01-09-1992 15-06-1992 09-10-1997 26-03-1998 01-11-1997 04-06-2001 21-12-1993 15-05-1999 31-03-1994 10-07-1997 19-07-1994
EP 1188790	A 20-03-2002	WO JP	0052093 A1 2000248116 A	08-09-2000 12-09-2000
EP 1000972	A 17-05-2000	US	6391971 B1	21-05-2002
US 4543377	A 24-09-1985	AU AU BE CA DE FR GB	573005 B2 4319485 A 902568 A1 1239241 A1 3519219 A1 2565235 A1 2159823 A	26-05-1988 12-12-1985 03-12-1985 12-07-1988 05-12-1985 06-12-1985 11-12-1985
		IT JP	1199887 B 1877081 C	05-01-1989 07-10-1994

Information on patent family members

International application No
PCT/JP2005/023833

Patent document cited in search report		Publication date		Patent family member(s)	Publications date	۲
US 4543377	Α		JP JP	6002825 B 61002755 A	12 ⁵ 01-1994 08-01-1986	يد
						3

Form PCT/ISA/210 (patent family annex) (April 2005)